

combine closely and thus lose their effect. For this, the user has to get a new head belt for replacement, and surely, this is disadvantageous in use.

SUMMARY OF THE INVENTION

The major object of the invention is to provide a modified head belt of head magnifying glass to resolve the problem stated above. A movable plate set up on the buttoning hole made on the first head belt. It separates from the buttoning hole due to lever movement while pressing its one end, and it remains buttoned up well with the buttoning hole when it is not pressed down. Through repeated for many times combining and separating the movable plate and buttoning hole, nice buttoning is still kept so that convenient adjustment and longer duration of head belt are achieved.

The object of the invention is carried out in the following way:

A head belt of head magnifying glass, wherein a first head belt and a second head belt stretch backward from either of both sides of the fixer of head magnifying glass respectively wherein:

More than on buttoning vertical holes are made at certain space along said first head belt:

A stretching out buttoning seat is set up at certain place of said second head belt with a vacancy forming between said buttoning seat and the second head belt; a through hole is made at the inner end of buttoning seat and a movable plate is fixed on the buttoning seat; said movable plate is pivoted by the part near the middle of each side of buttoning seat; a clamping key is established at one end of movable plate corresponding the through hole of buttoning seat and a spring plate is set up at the other end of movable plate.

This allows the first head belt to insert in the vacancy between the second head belt and the buttoning seat, and by utilizing the clamping key of movable plate penetrating the through hole of buttoning seat to button up in the buttoning hole of the first head belt, the first and second head belts are closely combined. As said movable plate is pivoted at the buttoning seat, when its outer end is pressed down, it is able to revolve with the pivoted part as its fulcrum to have the end where the clamping key is placed rise so that it separates from the buttoning hole of the first head belt and allows the first head belt to adjust its position along the second head belt or separate from the second head belt. Thus the object of easy adjustment and durable effect is acquired.

There is a binding sleeve on the second head belt used to bind the end of the first head belt.

A pivot axle is built on each side of the movable plate near its middle and said pivot axle is inserted in the pivot hole on each side of the buttoning seat to make the movable plate combined with the buttoning seat.

Said first head belt and said second head belt are respectively pivoted at the end of one of the two sides of the fixer of head magnifying glass.

The beneficial effect of adopting the above -mentioned technical scheme is apparent:

Since said head magnifying is in the shape of a ring by buttoning up the first and second head belts, it allows adjusting the size of combined ring according to the needs of users and/or separating them from each other. Besides, as the first and second head belts of said head belt are inked together by means of a buttoning movable plate, such construction will keep very nice buttoning effect after many times of separating and buttoning. So that the efficacy of elongating the duration of use of the head belt is achieved.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig 1 is a chart showing the 3-dimentional view of a conventional jead magnifying glass;

Fig2 is a chart showing the exploded view of the present invention;

Fig3 is a schematic diagram showing the composition view of the invention;

Fig 4 is a schematic diagram showing the use of the invention;

Fig 5 is schematic diagram (1) showing the operation of the invention;

Fig 6 is schematic diagram (2) showing the operation of the invention;

Fig 7 is schematic diagram (3) showing the operation of the invention;

DENOTATION OF MARKING NUMBERS:

Conventional head magnifying glass part:

10 – head magnifying glass 101 – magnifying glass

102—fixer 20 the first head belt

201—female sticking belt 30—the second head belt

301—male sticking belt

The present invention part:

1—head magnifying glass 2—the first head belt

21—buttoning hole 11—fixer

31—bing sleeve 3—the second head belt

41—pivot hole 4—buttoning seat

5—vacancy 42—through hole

61—pivot axle 6—movable plate

62—spring plate 62—clamping key

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Now the present invention will be clarified in detail by embodiments thereof shown in the attached drawings.

In fig 2, a first head belt 2 and a second head belt 3 are set up respectively on the backward end of one of the two sides of fixer 11 of head magnifying glass 1 of the invention, wherein

Said first head belt 2 is pivoted at the end of one side of the fixer 11 of head magnifying glass and more than one vertical buttoning holes 21 are made at certain space on said first head belt 2.

Said second head belt is pivoted at the end of the other side of fixer 11 of head magnifying glass and a buttoning seat 4 stretches out from proper part of the end to leave a vacancy 5 (See Fig 3) forming between saidn buttoning seat 4 and the second head belt 3; a pivot hole 41 is made at the middle of each side of buttoning seat 4 and a through hole 42 is set up at the inner end of buttoning hole 42. Besides, on said buttoning seat 4 is fixed a movable plate 6 and on each side of said movable plate 6 corresponding pivot hole 41 of buttoning seat is set up a pivot axle 61 respectively. A clamping key 62 is established on the end of movable plate 6 corresponding through hole 42 of buttoning seat 4 and on the other end of the movable plate 6 is set up a spring plate 63. Again, there is a binding sleeve 32 on said second head belt 3 to bind the end of the first head belt while buttoning up with the second head belt.

In fig 3, while assembling, pivot axle 61 is put into the pivot hole 41 of buttoning seat 4 to enable movable plate 6 to conduct lever movement with said pivot axle 61 as fulcrum. When the end of movable plate 6, where spring plate 63 is set up, is pressed, one end of movable plate 6 moves downward by the pressure of spring plate 63 and the other end, where clamping key 62 is placed, turns upwards due to lever movement. Whereas, when the end, where spring plate lies, is not pressed, the other end, where there is spring plate 63, returns to its normal position by utilizing release of elasticity of spring plate 63, and at this time, the other end, where clamping key 62 exists, of movable plate 6 moves downward to achieve the object of lever movement.

In Fig 4, when the first head belt 2 is inserted in the vacancy 5 between the second head belt 3 and buttoning seat 4, by utilizing buttoning up clamping key 62 of movable plate 6 and buttoning hole 21 of the first head belt 2, the first head belt 2 and the second head belt 3 are combined to form a ring for sleeving user's head 12. It is seen from fig. 5 that in order to adjust the size of ring formed by the first head belt 2 and second head belt 3 to fit user's head, the end with spring plate 63 of said movable plate 6 is pressed down to allow movable plate 6 go conduct lever movement to turn up the other end with clamping key 62 so that the clamping key 62 will separate from the buttoning hole 21 of the first head belt 2. In fig.6, it is seen, after having been separated from buttoning by movable plate 6 of the second head belt 3, the first head belt is able to move freely in vacancy 5 to form an attended ring size by adjusting its combining position with the second head belt 3 or be pulled out from vacancy 5. It is seen from fig. 7 that when the first head belt 2 is adjusted to the proper position in vacancy 5, the user no longer presses on the end with spring plate 63 of movable plate 6 to allow said end of movable plate 6 to move upwards by means of the elasticity of spring plate, and meanwhile, movable plate 6 conducts lever movement to drive the other end with clamping key 62 to move downward to have it penetrate the through hole 42 of buttoning seat 4 and button in the buttoning hole 21 of the first head belt 2 so as to attain the object of adjusting the head ring size and/or combining or separating the two head belts.

To sum up, owing to the fact that the head belt of conventional head magnifying glass is stucked up by sticking belts, through times of coming off and sticking up in